

Formulation

Youth Guard Face Fluid SPF 50

ST 04/24-14

Designed to combat premature aging, this low-viscosity O/W daily skin care fluid is suitable for use under make-up.

Phase	Ingredients	Dose (% W/W)
A	dermofeel® NC MB (Polyglyceryl-3 Distearate; Glyceryl Stearate Citrate)	4.00
	dermofeel® G 10 L MB (Polyglyceryl-10 Laurate)	2.00
	TEGOSOFT® XC MB (Phenoxyethyl Caprylate)	5.50
	TEGOSOFT® DEC (Diethylhexyl Carbonate)	10.00
	TEGO® FILMSTAR One MB (Polyglyceryl-3 Stearate/Sebacate Crosspolymer)	1.50
	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	6.00
	Diethylamino Hydroxybenzoyl Hexyl Benzoate (Diethylamino Hydroxybenzoyl Hexyl Benzoate)	5.00
	Ethylhexyl Triazone (Ethylhexyl Triazone)	4.00
	dermofeel® Toco 70 non GMO (Tocopherol, Helianthus Annuus (Sunflower) Seed Oil)	0.20
	TEGO® Sterol 7-DHC V (7-dehydrocholesterol)	0.10
	SPHINOX® Defenda (Hydroxybutyryl Phytosphingosine)	0.20
	TEGO® Feel C 10 (Cellulose)	2.50
B	Water (Aqua)	35.75
	Glycerin	5.00
	Propylene Glycol (Propylene Glycol)	3.00
	dermofeel® PA (Phytic Acid, Aqua)	0.05
C	KELCO-CARE® Diutan Gum (Sphingomonas Ferment Extract)	0.10
D	Water (Aqua)	7.12
	Phenylbenzimidazole Sulfonic Acid (Phenylbenzimidazole Sulfonic Acid)	2.00
	Tromethamine	0.88
E	SK-INFLUX® Evolve MB (Ceramide NP; Ceramide AP; Ceramide EOP; Phytosphingosine; Cholesterol; Behenic Acid; Polyglyceryl-10 Stearate; Polyglyceryl-6 Behenate; Cetearyl Alcohol; Glyceryl Stearate; Glycerin; Sodium Cetearyl Sulfate; Triethyl Citrate; Sodium Levulinate; Potassium Sorbate; Water/Aqua)	2.50
F	Sodium Chloride (25% sol. in water)	0.10
G	dermosoft® OMP (Methylpropanediol, Caprylyl Glycol, Phenylpropanol)	2.50
Z	Perfume	q.s.

PROCESSING

1. Heat phase A and B separately to approx. 85°C.
2. Add phase B to phase A without stirring.
3. Homogenize.
4. Cool with gentle stirring and add phase C at approx. 50°C.
5. Homogenize for a short time.
6. Cool down with stirring to approx. 35°C.
7. Add phase D, E, F and G and stir well in-between.
8. Homogenize for a short time.
9. Adjust pH value of formulation to 7.0.

REMARKS

SPF (in vitro): 50.1

UVA-Balance: 37%, CW 372 nm

(Calculated values, BASF Sunscreen Simulator)

APPEARANCE

yellowish fluid

VISCOSITY

6 Pas (Brookfield RVT, sp. 4, 5 rpm)

PH VALUE

6.8 - 7.0

STABILITY TEST

Proven

MICROBIOLOGICAL SAFETY

Challenge test passed

Disclaimer

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